



REPLACEMENT SHEET

Sequence 1

CTGCAGCCAG	GGCTGAAAAG	GAGGGATTCA	GTGAGGTCAT	GAAGGGAGGG	GACGGCGCCT	60
GGCTCCAATT	GCTCGATGGC	GCCGCGATTG	AGTGTCTTGG	GCGCGGTCTT	GGAGAGTTCTG	120
GCTAGGGAGA	TAAATTTGCT	GGCCATGGTG	GCGGCCCTTG	ATGGGTGGGA	TGATTTTCTG	180
CATTCTGCAT	CATGAAATTC	ATGAAATCAT	CACTTTTTCGG	GGGGTGGGTG	CACGGGATTG	240
AAGGTTGCTA	GGAGAGTGCA	TTGCTCGTAA	GCCCAGGAAG	CACGCGGGTT	TCAGGATGGT	300
GCATGGAAAT	GGCATGAGCT	TTGCTGGATA	TGATTAGAGA	CATTAATAT	TTTGGCGGAA	360
TGGAAGCACG	ATTCCTCGCC	CGGTAGAGCG	GTAACCGCGA	CATTCAGGAC	CGTAAAAAGG	420
AAAGAGCATG	CAACTGACCA	ACAAGAAAAT	CGTCGTCACC	GGAGTGTCTT	CCGGTATCGG	480
TGCCGAAACT	GCCCGCGTTC	TGCGCTCTCA	CGGCGCCACA	GTGATTGGCG	TAGATCGCAA	540
CATGCCGAGC	CTGACTCTGG	ATGCTTTTCGT	TCAGGCTGAC	CTGAGCCATC	CTGAAGGCAT	600
CGATAAGGCC	ATCGGGACAG	CAAGCGAACC	GGAATTGCCA	GCTGGGGCGC	CCTCTGGTAA	660
GGTTGGGAAG	CCCTGCAAAG	TAAACTGGAT	GGCTTTCTTG	CCGCCAAGGA	TCTGATGGCG	720
CAGGGGATCA	AGATCTGATC	AAGAGACAGG	ATGAGGATCG	TTTCGCATGA	TTGAACAAGA	780
TGGATTGCAC	GCAGGTTCTC	CGGCCGCTTG	GGTGGAGAGG	CTATTCCGGT	ATGACTGGGC	840
ACAACAGACA	ATCGGCTGCT	CTGATGCCGC	CGTGTTCGGG	CTGTCAGCGC	AGGGGCGCCC	900
GGTTCTTTTT	GTCAAGACCG	ACCTGTCCGG	TGCCCTGAAT	GAAGTGCAGG	ACGAGGCAGC	960
GCGGCTATCG	TGGCTGGCCA	CGACGGGCGT	TCCTTGCGCA	GCTGTGCTCG	ACGTTGTCAC	1020
TGAAGCGGGA	AGGGACTGGC	TGCTATTGGG	CGAAGTGCCG	GGGCAGGATC	TCCTGTTCATC	1080
TCACCTTGCT	CCTGCCGAGA	AAGTATCCAT	CATGGCTGAT	GCAATGCGGC	GGCTGCATAC	1140
GCTTGATCCG	GCTACCTGCC	CATTCGACCA	CCAAGCGAAA	CATCGCATCG	AGCGAGCAGC	1200
TACTCGGATG	GAAGCCGGTC	TTGTCGATCA	GGATGATCTG	GACGAAGAGC	ATCAGGGGCT	1260
CGCGCCAGCC	GAAGTGTTCG	CCAGGCTCAA	GGCGCGCATG	CCCGACGGCG	AGGATCTCGT	1320
CGTGACCCAT	GGCGATGCCCT	GCTTGCCGAA	TATCATGGTG	GAAAATGGCC	GCTTTTCTGG	1380
ATTCATCGAC	TGTGGCCGGC	TGGGTGTGGC	GGACCGCTAT	CAGGACATAG	CGTTGGCTAC	1440
CCGTGATATT	GCTGAAGAGC	TTGGCGGCGA	ATGGGCTGAC	CGCTTCCTCG	TGCTTTACGG	1500
TATCGCCGCT	CCCGATTTCG	AGCGCATCGC	CTTCTATCGC	CTTCTTGACG	AGTTCTTCTG	1560
AGCGGGACTC	TGGGGTTCTGA	AATGACCGAC	CAAGCGACGC	CCTGGCCGCG	GTGATTGCAT	1620
TCATGTGTGC	TGAGGAGTCA	CGTTGGATCA	ACGGCATAAA	TATTCCAGTG	GACGGAGGTT	1680
TGGCATCGAC	CTACGTGTAA	GTTCGTGGAC	GCCCTTTGCA	CGCGCACTAT	ATCTCTATGC	1740
AGCAGCTGAA	AGCAGCTTTG	GTTTTGATCG	GAGGTAGCGG	GCGGAAAGGT	GCAGAATGTC	1800
TAAATAATAA	AGGATTCTTG	TGAAGCTTTA	GTTGTCCGTA	AACGAAAATA	AAAATAAAGA	1860
GGAATGATAT	GAAAGCAAGT	AGATCAGTCT	GCACTTTCAA	AATAGCTACC	CTGGCAGGCG	1920
CCATTTATGC	AGCGCTGCCA	ATGTCAGCTG	CAAACCTCGAT	GCAGCTGGAT	GTAGGTAGCT	1980
CGGATTGGAC	GGTGCCTTGG	GGACAACACC	CTCAAGTATA	GCCTTGCCCTC	TCGCCTGAAT	2040
GAGCAAGACT	CAAGTCTGAC	AAATGCGCCG	ACTGTCAATG	GTTATATCCG	GATATTCAAA	2100
GTCAGGGTGA	TCGTAACCTT	GACCGGGGGC	TTGGTATCCA	ATCGTCTCGA	TATTCTGGCT	2160
GCAG						2164

Figure 2a

REPLACEMENT SHEET

Sequence 2

CTGCAGCCAG	GGCTGAAAAG	GAGGGATTCA	GTGAGGTCAT	GAAGGGAGGG	GACGGCGCCT	60
GGCTCCAATT	GCTCGATGGC	GCCGCGATTG	AGTGTCTTGG	GCGCGGTCTT	GGAGAGTTCTG	120
GCTAGGGAGA	TAAATTTGCT	GGCCATGGTG	GCGGCCCTTG	ATGGGTGGA	TGATTTTCTG	180
CATTCTGCAT	CATGAAATTC	ATGAAATCAT	CACTTTTCGG	GGGGTGGGTG	CACGGGATTG	240
AAGGTGCTA	GGAGAGTGCA	TTGCTCGTAA	GCCCAGGAAG	CACGCGGGTT	TCAGGATGGT	300
GCATGGAAAT	GGCATGAGCT	TTGCTGGATA	TGATTAGAGA	CATTAACAT	TTTGGCGGAA	360
TGGAAGCACG	ATTCCTCGCC	CGGTAGAGCG	GTAACCGCGA	CATTCAGGAC	CGTAAAAAGG	420
AAAGAGCATG	CAACTGACCA	ACAAGAAAAT	CGTCGTCACC	GGAGTGTCTT	CCGGTATCGG	480
TGCCGAAACT	GCCCGCGTTC	TGCGCTCTCA	CGGCGCCACA	GTGATTGGCG	TAGATCGCAA	540
CATGCCGAGC	CTGACTCTGG	ATGCTTTCTG	TCAGGCTGAC	CTGAGCCATC	CTGAGGGGAG	600
AGGCGGTTTG	CGTATTGGGC	GCATGCATAA	AAACTGTTGT	AATTCATTAA	GCATTCTGCC	660
GACATGGAAG	CCATCACAAA	CGGCATGATG	AACCTGAATC	GCCAGCGGCA	TCAGCACCTT	720
GTCGCCTTGC	GTATAATATT	TGCCCATGGA	CGCACACCCT	GGAAACGGAT	GAAGGACGCA	780
ACCCAGTTGA	CATAAGCCTG	TTCGGTTCTG	AAACTGTAAT	GCAAGTAGCG	TATGCGCTCA	840
CGCAACTGGT	CCAGAACCTT	GACCGAACGC	AGCGGTGGTA	ACGGCGCAGT	GGCGGTTTTT	900
ATGGCTTGTT	ATGACTGTTT	TTTTGTACAG	TCTATGCCTC	GGGCATCCAA	GCAGCAAGCG	960
CGTTACGCCG	TGGGTCGATG	TTTGATGTTA	TGGAGCAGCA	ACGATGTTAC	GCAGCAGCAA	1020
CGATGTTACG	CAGCAGGGCA	GTCGCCCTAA	AACAAAGTTA	GGTGGCTCAA	GTATGGGCAT	1080
CATTGCGACA	TGTAGGCTCG	GCCCTGACCA	AGTCAAATCC	ATGCGGGCTG	CTCTTGATCT	1140
TTTCGGTTCG	GAGTTCGGAG	ACGTAGCCAC	CTACTCCCAA	CATCAGCCGG	ACTCCGATTA	1200
CCTCGGGAAC	TTGCTCCGTA	GTAAGACATT	CATCGCGCTT	GCTGCCTTCG	ACCAAGAAGC	1260
GGTTGTTGGC	GCTCTCGCGG	CTTACGTTCT	GCCCAGGTTT	GAGCAGCCGC	GTAGTGAGAT	1320
CTATATCTAT	GATCTCGCAG	TCTCCGGCGA	GCACCGGAGG	CAGGGCATTG	CCACCGCGCT	1380
CATCAATCTC	CTCAAGCATG	AGGCCAACGC	GCTTGGTGCT	TATGTGATCT	ACGTGCAAGC	1440
AGATTACGGT	GACGATCCCG	CAGTGGCTCT	CTATACAAAG	TTGGGCATAC	GGGAAGAAGT	1500
GATGCACTTT	GATATCGACC	CAAGTACCGC	CACCTAACAA	TTCGTTCAAG	CCGAGATCGG	1560
CTTCCCTGAT	TGCATTCTAT	TGTGCTGAGG	AGTCACGTTG	GATCAACGGC	ATAAATATTC	1620
CAGTGGACGG	AGGTTTGGCA	TCGACCTACG	TGTAAGTTCC	TGGACGCCCT	TTGCACGCGC	1680
ACTATATCTC	TATGCAGCAG	CTGAAAGCAG	CTTTGGTTTT	GATCGGAGGT	AGCGGGCGGA	1740
AAGGTGCAGA	ATGTCTAAAT	AATAAAGGAT	TCTTGTAAG	CTTTAGTTGT	CCGTAAACGA	1800
AAATAAAAAT	AAAGAGGAAT	GATATGAAAG	CAAGTAGATC	AGTCTGCACT	TTCAAAATAG	1860
CTACCCTGGC	AGGCGCCATT	TATGCAGCGC	TGCCAATGTC	AGCTGCAAAC	TCGATGCAGC	1920
TGGATGTAGG	TAGCTCGGAT	TGGACGGTGC	GTTGGGGACA	ACACCCTCAA	GTATAGCCTT	1980
GCCTCTCGCC	TGAATGAGCA	AGACTCAAGT	CTGACAAATG	CGCCGACTGT	CAATGGTTAT	2040
ATCCGGATAT	TCAAAGTCAG	GGTGATCGTA	ACTTTGACCG	GGGGCTTGGT	ATCCAATCGT	2100
CTCGATATTC	TGGCTGCAG					2119

Figure 2b

REPLACEMENT SHEET

Sequence 3

CTGCAGCCAG	GGCTGAAAAG	GAGGGATTCA	GTGAGGTCAT	GAAGGGAGGG	GACGGCGCCT	60
GGCTCCAATT	GCTCGATGGC	GCCGCGATTG	AGTGTCTTGG	GCGCGGTCTT	GGAGAGTTCG	120
GCTAGGGAGA	TAAATTTGCT	GGCCATGGTG	GCGGCCCTG	ATGGGTTGGA	TGATTTTCTG	180
CATTCTGCAT	CATGAAATTC	ATGAAATCAT	CACTTTTTCGG	GGGGTGGGTG	CACGGGATTG	240
AAGGTTGCTA	GGAGAGTGCA	TTGCTCGTAA	GCCCAGGAAG	CACGCGGGTT	TCAGGATGGT	300
GCATGGAAAT	GGCATGAGCT	TTGCTGGATA	TGATTAGAGA	CATTAACTAT	TTTGGCGGAA	360
TGGAAGCACG	ATTCCTCGCC	CGGTAGAGCG	GTAACCGCGA	CATTCAGGAC	CGTAAAAAGG	420
AAAGAGCATG	CAACTGACCA	ACAAGAAAAT	CGTCGTCACC	GGAGTGTCTT	CCGGTATCGG	480
TGCCGAAACT	GCCCGCGTTC	TGCGCTCTCA	CGGCGCCACA	GTGATTGGCG	TAGATCGCAA	540
CATGCCGAGC	CTGACTCTGG	ATGCTTTCGT	TCAGGCTGAC	CTGAGCCATC	CTGAAGGCAT	600
CGATCAACGG	CATAAATATT	CCAGTGGACG	GAGGTTTGGC	ATCGACCTAC	GTGTAAGTTC	660
GTGGACGCCC	TTTGCACGCG	CACTATATCT	CTATGCAGCA	GCTGAAAGCA	GCTTTGGTTT	720
TGATCGGAGG	TAGCGGGCGG	AAAGGTGCAG	AATGTCTAAA	TAATAAAGGA	TTCTTGTGAA	780
GCTTTAGTTG	TCCGTAAACG	AAAATAAAAA	TAAAGAGGAA	TGATATGAAA	GCAAGTAGAT	840
CAGTCTGCAC	TTTCAAAATA	GCTACCCTGG	CAGGCGCCAT	TTATGCAGCG	CTGCCAATGT	900
CAGCTGCAAA	CTCGATGCAG	CTGGATGTAG	GTAGCTCGGA	TTGGACGGTG	CGTTGGGGAC	960
AACACCCTCA	AGTATAGCCT	TGCCTCTCGC	CTGAATGAGC	AAGACTCAAG	TCTGACAAAT	1020
GCGCCGACTG	TCAATGGTTA	TATCCGGATA	TTCAAAGTCA	GGGTGATCGT	AACTTTGACC	1080
GGGGGCTTGG	TATCCAATCG	TCTCGATATT	CTGGCTGCAG			1120

Figure 2c

REPLACEMENT SHEET

Sequence 4

GAATTCCGCG	TATCGCCCGG	TTCATATCAGC	GGGCCGCTTT	CGAAAGTCAT	GGTGTAGCC	60
GGTAGGGTCT	TTTTCTTGGC	CATGCTTGTT	GCCTGAACCT	TCGTTGACAT	AGGGCAGAGG	120
TGCGTTTGCC	GCTTCGCTTC	GCGATGAACC	GCATCGAGAT	GCTGAGGTCA	GGATTTTTC	180
TTAACTCGCG	TAAGCATTTCT	GTCATTTTTT	TGGTGGCTTT	GAACAGCCTG	ATGAAAGGTG	240
GTCTCGCCCT	TTGAGGCCGA	TTCTTGGGCG	CTTGGCGGCG	TCGAAGCGAT	GCTCCACTAC	300
CGATTAAGAT	AATTAAAATA	AGGAAACCGC	ATGGTTTCTT	ATGTGAATTT	GTCTGGCATA	360
CTCCAGCTCA	AGGGCAATTT	TTGGGCTATT	GGCTGAGCAG	TTGCCTCTAT	ATGGTTATTC	420
AGAATAACAA	TTGACTCCTC	AGGAGGTCAG	CGATGAGCAT	TCTTGGTTTG	AATGGTGCCC	480
CGGTCGGAGC	TGAGCAGCTG	GGCTCGGCTC	TTGATCGCAT	GAAGAAGGCG	CACCTGGAGC	540
AGGGGCCTGC	AAACTTGGAG	CTGCGTCTGA	GTAGGCTGGA	TCGTGCGATT	GCAATGCTTC	600
TGGAAATCG	TGAAGCAATT	GCCGACGCGG	TTTCTGCTGA	CTTTGGCAAT	CGCAGCCGTG	660
AGCAAACT	GCTTTGCGAC	ATTGCTGGCT	CGGTGGCAAG	CCTGAAGGAT	AGCCGCGAGC	720
ACGTGGCCAA	ATGGATGGAG	CCCGAACATC	ACAAGGCGAT	GTTTCCAGGG	GCGGAGGCAC	780
GCGTTGAGTT	TCAGCCGCTG	GGTGTGCTTG	GGGTCAATTAG	TCCCTGGAAC	TTCCCTATCG	840
TACTGGCCTT	TGGGCCGCTG	GCCGGCATAT	TCGACGAGG	TAATCGCGCC	ATGCTCAAGC	900
CGTCCGAGCT	TACCCCGCGG	ACTTCTGCCC	TGCTTGCGGA	GCTAATTGCT	CGTTACTTCG	960
ATGAACTGA	GCTGACTACA	GTGCTGGGCG	ACGCTGAAGT	CGGTGCGCTG	TTCACTGCTC	1020
AGCCTTTCGA	TCATCTGATC	TTCAACGCGG	GCACTGCCGT	GGCCAAGCAC	ATCATGCGTG	1080
CCGCGGCGGA	TAACCTAGTG	CCCGTTACCC	TGGAATTGGG	TGGCAAATCG	CCGGTGATCG	1140
TTTCCCGCAG	TGCAGATATG	GCGGACGTTG	CACAACGGGT	GTTGACGGTG	AAAACCTTCA	1200
ATGCCGGGCA	AATCTGTCTG	GCACCGGACT	ATGTGCTGCT	GCCGGAAGGG	ACAGCAAGCG	1260
AACCGGAATT	GCCAGCTGGG	GCGCCCTCTG	GTAAGGTTGG	GAAGCCCTGC	AAAGTAAACT	1320
GGATGGCTTT	CTTGCCGCCA	AGGATCTGAT	GGCGCAGGGG	ATCAAGATCT	GATCAAGAGA	1380
CAGGATGAGG	ATCGTTTCGC	ATGATTGAAC	AAGATGGATT	GCACGCAGGT	TCTCCGGCCG	1440
CTTGGGTGGA	GAGGCTATTC	GGCTATGACT	GGGCACAACA	GACAATCGGC	TGCTCTGATG	1500
CCGCCGTGTT	CCGGCTGTCA	GCGCAGGGGC	GCCCGGTTCT	TTTTGTCAAG	ACCGACCTGT	1560
CCGGTGCCCT	GAATGAACTG	CAGGACGAGG	CAGCGCGGCT	ATCGTGGCTG	GCCACGACGG	1620
GCGTTCCTTG	CGCAGCTGTG	CTCGACGTTG	TCACTGAAGC	GGGAAGGGAC	TGGCTGCTAT	1680
TGGGCGAAGT	GCCGGGGCAG	GATCTCCTGT	CATCTCACCT	TGCTCCTGCC	GAGAAAGTAT	1740
CCATCATGGC	TGATGCAATG	CGGCGGCTGC	ATACGCTTGA	TCCGGCTACC	TGCCCATTCG	1800
ACCACCAAGC	GAAACATCGC	ATCGAGCGAG	CACGTACTCG	GATGGAAGCC	GGTCTTGTCG	1860
ATCAGGATGA	TCTGGACGAA	GAGCATCAGG	GGCTCGCGCC	AGCCGAAGT	TTCCGCCAGG	1920
TCAAGGCGCG	CATGCCCCGAC	GGCGAGGATC	TCGTCGTGAC	CCATGGCGAT	GCCTGCTTGC	1980
CGAATATCAT	GGTGAAAAAT	GGCCGCTTTT	CTGGATTAT	CGACTGTGGC	CGGCTGGGTG	2040
TGGCGGACCG	CTATCAGGAC	ATAGCGTTGG	CTACCCGTGA	TATTGCTGAA	GAGCTTGGCG	2100
GCGAATGGGC	TGACCGCTTC	CTCGTGCTTT	ACGGTATCGC	CGCTCCCCGAT	TCGACGCGCA	2160

Figure 2d

REPLACEMENT SHEET

TCGCCTTCTA	TCGCCTTCTT	GACGAGTTCT	TCTGAGCGGG	ACTCTGGGGT	TCGAAATGAC	2220
CGACCAAGCG	ACGCCCCCCA	TGCCAAGCCT	GTTCTCGTGC	AAAGTCCTGT	GGGTGAGTCG	2280
AACTTGCGGA	TGCGCGCACC	CTACGGAGAA	GCGATCCACG	GACTGCTCTC	TGTCCTCCTT	2340
TCAACGGAGT	GTTAGAACCG	TTGGTAGTGG	TTTTGGACGG	GCCCAGGAGC	ATGCGCTTCT	2400
GGGCCCCGTTT	CTTGAGTATT	CATTGGATAG	TCACGCGTGG	TAGCTTCGAG	CCTGCACAGC	2460
TGATGAGCAC	CCTGGAAGGC	GCGCTGTACG	CGGACGACTG	GGTTCATCTT	CGCCATTTCAT	2520
GACGGAATC	CGTTCCCCAG	TACCGCGATG	ACTATTTTGC	CTCTTCCGAT	GTCCGATTCC	2580
ACGCCGCCTG	ACGCTAAGCG	GGGGCGGGGG	CGCCCGCATC	CCAGCCCAGA	CAGCAACAAA	2640
TGAGTAGGCT	CTTGGATGCC	GCGGCGGCTG	AGATTGGTAA	CGGCAATTTT	GTCAATGTGA	2700
CGATGGATTC	GATTGCCCCG	GCTGCCGGCG	TCTCAAAAAA	AACGCTGTAC	GTCTTGGTGG	2760
CGAGCAAGGA	AGAACTCATT	TCCCGGTTAG	TGGCTCGAGA	CATGTCCAAC	CTTGAGGAAT	2820
TC						2822

REPLACEMENT SHEET

Sequence 5

GAATTCCGCG	TATCGCCCGG	TTCTATCAGC	GGGCCGCTTT	CGAAAGTCAT	GGTGTTAGCC	60
GGTAGGGTCT	TTTTCTTGGC	CATGCTTGTT	GCCTGAACCT	TCGTTGACAT	AGGGCAGAGG	120
TGCGTTTGCC	GCTTCGCTTC	GCGATGAACC	GCATCGAGAT	GCTGAGGTCA	GGATTTTTTC	180
TTAACTCGCG	TAAGCATTCT	GTCATTTTTT	TGGTGGCTTT	GAACAGCCTG	ATGAAAGGTG	240
GTCTCGCCCT	TTGAGGCCGA	TTCTTGGGCG	CTTGGCGGCG	TCGAAGCGAT	GCTCCACTAC	300
CGATTAAGAT	AATTAATAA	AGGAAACCGC	ATGGTTTCTT	ATGTGAATTT	GTCTGGCATA	360
CTCCAGCTCA	AGGGCAATTT	TTGGGCTATT	GGCTGAGCAG	TTGCCTCTAT	ATGGTTATTTC	420
AGAATAACAA	TTGACTCCTC	AGGAGGTCAG	CGATGAGCAT	TCTTGGTTTG	AATGGTGCCC	480
CGGTCGGAGC	TGAGCAGCTG	GGCTCGGCTC	TTGATCGCAT	GAAGAAGGCG	CACCTGGAGC	540
AGGGGCCTGC	AAACTTGAG	CTGCGTCTGA	GTAGGCTGGA	TCGTGCGATT	GCAATGCTTC	600
TGGAAAATCG	TGAAGCAATT	GCCGACGCGG	TTTCTGCTGA	CTTTGGCAAT	CGCAGCCGTG	660
AGCAAACACT	GCTTTGCGAC	ATTGCTGGCT	CGGTGGCAAG	CCTGAAGGAT	AGCCGCGAGC	720
ACGTGGCCAA	ATGGATGGAG	CCCGAACATC	ACAAGGCGAT	GTTTCCAGGG	GCGGAGGCAC	780
GCGTTGAGTT	TCAGCCGCTG	GGTGTCGTTG	GGGTCATTAG	TCCCTGGAAC	TTCCCTATCG	840
TACTGGCCTT	TGGGCCGCTG	GCCGGCATAT	TCGCAGCAGG	TAATCGCGCC	ATGCTCAAGC	900
CGTCCGAGCT	TACCCCGCGG	ACTTCTGCCC	TGCTTGCGGA	GCTAATTGCT	CGTTACTTCG	960
ATGAAACTGA	GCTGACTACA	GTGCTGGGCG	ACGCTGAAGT	CGGTGCGCTG	TTCAGTGCTC	1020
AGCCTTTCGA	TCATCTGATC	TTCACCGGCG	GCACTGCCGT	GGCCAAGCAC	ATCATGCGTG	1080
CCGCGGCGGA	TAACCTAGTG	CCCGTTACCC	TGGAATTGGG	TGGCAAATCG	CCGGTGATCG	1140
TTTCCCGCAG	TGCAGATATG	GCGGACGTTG	CACAACGGGT	GTTGACGGTG	AAAACCTTCA	1200
ATGCCGGGCA	AATCTGTCTG	GCACCGGACT	ATGTGCTGGG	GGAGAGGCGG	TTTGCGTATT	1260
GGGCGCATGC	ATAAAAACTG	TTGTAATTCA	TTAAGCATTTC	TGCCGACATG	GAAGCCATCA	1320
CAAACGGCAT	GATGAACCTG	AATCGCCAGC	GGCATCAGCA	CCTTGTCGCC	TTGCGTATAA	1380
TATTTGCCCA	TGGACGCACA	CCGTGGAAC	GGATGAAGGC	ACGAACCCAG	TTGACATAAG	1440
CCTGTTCGGT	TCGTAAACTG	TAATGCAAGT	AGCGTATGCG	CTCACGCAAC	TGGTCCAGAA	1500
CCTTGACCGA	ACGCAGCGGT	GGTAACGGCG	CAGTGGCGGT	TTTCATGGCT	TGTTATGACT	1560
GTTTTTTTGT	ACAGTCTATG	CCTCGGGCAT	CCAAGCAGCA	AGCGCGTTAC	GCCGTGGGTC	1620
GATGTTTGAT	GTTATGGAGC	AGCAACGATG	TTACGCAGCA	GCAACGATGT	TACGCAGCAG	1680
GGCAGTCGCC	CTAAAACAAA	GTTAGGTGGC	TCAAGTATGG	GCATCATTCG	CACATGTAGG	1740
CTCGGCCCTG	ACCAAGTCAA	ATCCATGCGG	GCTGCTCTTG	ATCTTTTCGG	TCGTGAGTTC	1800
GGAGACGTAG	CCACCTACTC	CCAACATCAG	CCGGACTCCG	ATTACCTCGG	GAACTTGCTC	1860
CGTAGTAAGA	CATTCATCGC	GCTTGCTGCC	TTCGACCAAG	AAGCGGTTGT	TGGCGCTCTC	1920
GCGGCTTACG	TTCTGCCCAG	GTTTGAGCAG	CCGCGTAGTG	AGATCTATAT	CTATGATCTC	1980
GCAGTCTCCG	GCGAGCACCG	GAGGCAGGGC	ATTGCCACCG	CGCTCATCAA	TCTCCTCAAG	2040
CATGAGGCCA	ACGCGCTTGG	TGCTTATGTG	ATCTACGTGC	AAGCAGATTA	CGGTGACGAT	2100
CCCGCAGTGG	CTCTCTATAC	AAAGTTGGGC	ATACGGGAAG	AAGTGATGCA	CTTTGATATC	2160

Figure 2e

REPLACEMENT SHEET

GACCCAAGTA	CCGCCACCTA	ACAATTCGTT	CAAGCCGAGA	TCGGCTTCCC	TGCAAAGTCC	2220
TGTGGGTGAG	TCGAACTTGG	CGATGCGCGC	ACCCTACGGA	GAAGCGATCC	ACGGACTGCT	2280
CTCTGTCCTC	CTTTCAACGG	AGTGTTAGAA	CCGTTGGTAG	TGGTTTTGGA	CGGGCCCAGG	2340
AGCATGCGCT	TCTGGGCCCC	TTTCTTGAGT	ATTCATTGGA	TAGTCACGCG	TGGTAGCTTC	2400
GAGCCTGCAC	AGCTGATGAG	CACCCTGGAA	GGCGCGCTGT	ACGCGGACGA	CTGGGTTCAT	2460
CTTCGCCATT	CATGACGGAA	CTCCGTTCCC	CAGTACCGCG	ATGACTATTT	TGCCTCTTCC	2520
GATGTCCGAT	TCCACGCCGC	CTGACGCTAA	GCGGGGCGG	GGGCGCCCGC	ATCCCAGCCC	2580
AGACAGCAAC	AAATGAGTAG	GCTCTTGGAT	GCCGCGGCGG	CTGAGATTGG	TAACGGCAAT	2640
TTCGTCAATG	TGACGATGGA	TTCGATTGCC	CGTGCTGCCG	GCGTCTCAAA	AAAAACGCTG	2700
TACGTCTTGG	TGGCGAGCAA	GGAAGAACTC	ATTTCCCGGT	TAGTGGCTCG	AGACATGTCC	2760
AACCTTGAGG	AATTC					2775

REPLACEMENT SHEET

Sequence 6

GAATTCGCG	TATCGCCCG	TTCTATCAGC	GGGCCGCTTT	CGAAAGTCAT	GGTGTTAGCC	60
GGTAGGGTCT	TTTTCTTGGC	CATGCTTGTT	GCCTGAACCT	TCGTTGACAT	AGGGCAGAGG	120
TGCGTTTGCC	GCTTCGCTTC	GCGATGAACC	GCATCGAGAT	GCTGAGGTCA	GGATTTTTC	180
TTAACTCGCG	TAAGCATTCT	GTCATTTTTT	TGGTGGCTTT	GAACAGCCTG	ATGAAAGGTG	240
GTCTCGCCCT	TTGAGGCCGA	TTCTTGGGCG	CTTGGCGGCG	TCGAAGCGAT	GCTCCACTAC	300
CGATTAAGAT	AATTAAAATA	AGGAAACCGC	ATGGTTTCTT	ATGTGAATTT	GTCTGGCATA	360
CTCCAGCTCA	AGGGCAATTT	TTGGGCTATT	GGCTGAGCAG	TTGCCTCTAT	ATGGTTATTTC	420
AGAATAACAA	TTGACTCCTC	AGGAGGTCAG	CGATGAGCAT	TCTTGGTTTG	AATGGTGCCC	480
CGGTCCGGAGC	TGAGCAGCTG	GGCTCGGCTC	TTGATCGCAT	GAAGAAGGCG	CACCTGGAGC	540
AGGGGCCTGC	AAACTTGGAG	CTGCGTCTGA	GTAGGCTGGA	TCGTGCGATT	GCAATGCTTC	600
TGGAAAATCG	TGAAGCAATT	GCCGACGCGG	TTTCTGTGTA	CTTTGGCAAT	CGCAGCCGTG	660
AGCAAACACT	GCTTTGCGAC	ATTGCTGGCT	CGGTGGCAAG	CCTGAAGGAT	AGCCGCGAGC	720
ACGTGGCCAA	ATGGATGGAG	CCCGAACATC	ACAAGGCGAT	GTTTCCAGGG	GCGGAGGCAC	780
GCGTTGAGTT	TCAGCCGCTG	GGTGTGCTTG	GGGTCATTAG	TCCCTGGAAC	TTCCCTATCG	840
TACTGGCCTT	TGGGCCGCTG	GCCGGCATAT	TCGCAGCAGG	TAATCGCGCC	ATGCTCAAGC	900
CGTCCGAGCT	TACCCGCGG	ACTTCTGCCC	TGCTTGCGGA	GCTAATTGCT	CGTTACTTTC	960
ATGAAACTGA	GCTGACTACA	GTGCTGGGCG	ACGCTGAAGT	CGGTGCGCTG	TTCAGTGCTC	1020
AGCCTTTTGA	TCATCTGATC	TTACCCGGCG	GCACTGCCGT	GGCCAAGCAC	ATCATGCGTG	1080
CCGCGGCGGA	TAACCTAGTG	CCCGTTACCC	TGGAATTGGG	TGGCAAATCG	CCGGTGATCG	1140
TTTCCCGCAG	TGCAGATATG	GCGGACGTTG	CACAACGGGT	GTTGACGGTG	AAAACCTTCA	1200
ATGCCGGGCA	AATCTGTCTG	GCACCGTGGG	TGAGTCGAAC	TTGGCGATGC	GCGCACCTTA	1260
CGGAGAAGCG	ATCCACGGAC	TGCTCTCTGT	CCTCCTTTCA	ACGGAGTGTT	AGAACCGTTG	1320
GTAGTGTTTT	TGGACGGGCC	CAGGAGCATG	CGCTTCTGGG	CCCGTTTCTT	GAGTATTCAT	1380
TGGATAGTCA	CGCGTGGTAG	CTTCGAGCCT	GCACAGCTGA	TGAGCACCTT	GGAAGGCGCG	1440
CTGTACGCGG	ACGACTGGGT	TCATCTTCGC	CATTTCATGAC	GGAACTCCGT	TCCCCAGTAC	1500
CGCGATGACT	ATTTTGCCCTC	TTCCGATGTC	CGATTCCACG	CCGCCTGACG	CTAAGCGGGG	1560
GCGGGGGCGC	CCGCATCCCA	GCCCAGACAG	CAACAAATGA	GTAGGCTCTT	GGATGCCGCG	1620
GCGGCTGAGA	TTGGTAACGG	CAATTTTCGTC	AATGTGACGA	TGGATTCGAT	TGCCCCGTGCT	1680
GCCGGCGTCT	CAAAAAAAC	GCTGTACGTC	TTGGTGGCGA	GCAAGGAAGA	ACTCATTTC	1740
CGGTTAGTGG	CTCGAGACAT	GTCCAACCTT	GAGGAATTC			1779

Figure 2f

REPLACEMENT SHEET

Sequence 7

CTGCAGCCGA	GCATCGATTG	AGCACTTTAC	CCAGCTGCGC	TGGCTGACCA	TTCAGAATGG	60
CCCGCGGCAC	TATCCAATCT	AAATCGATCT	TCGGGCGCCG	CGGGCATCAT	GCCCGCGGCG	120
CTCGCCTCAT	TTCAATCTCT	AACTTGATAA	AAACAGAGCT	GTTCTCCGGT	CTTGGTGGAT	180
CAAGGCCAGT	CGCGGAGAGT	CTCGAAGAGG	AGAGTACAGT	GAACGCCGAG	TCCACATTGC	240
AACCGCAGGC	ATCATCATGC	TCTGCTCAGC	CACGCTACCG	CAGTGTGTCT	ATTGGTCATC	300
CTCCGGTTGA	GGTTACGCAA	GACGCTGGAG	GTATTGTCCG	GATGCGTTCT	CTCGAGGCGC	360
TTCTTCCCTT	CCCGGGTCGA	ATTCTTGAGC	GTCTCGAGCA	TTGGGCTAAG	ACCCGTCCAG	420
AACAAACCTG	CGTTGCTGCC	AGGGCGGCAA	ATGGGGAATG	GCGTCGTATC	AGCTACGCGG	480
AAATGTTCCA	CAACGTCCGC	GCCATCGCAC	AGAGCTTGCT	TCCTTACGGA	CTATCGGCAG	540
AGCGTCCGCT	GCTTATCGTC	TCTGGAAATG	ACCTGGAACA	TCTTCAGCTG	GCATTTGGGG	600
CTATGTATGC	GGGCATTCCC	TATTGCCCGG	TGTCCTCTGC	TTATTCACCT	CTGTCGCAAG	660
ATTTGGCGAA	GTCGCTCAC	ATCGTAGGTC	TTCTGCAACC	GGGACTGGTC	TTTGCTGCCG	720
ATGCAGCACC	TTTCCAGGGG	ACAGCAAGCG	AACCGGAATT	GCCAGCTGGG	GCGCCCTCTG	780
GTAAGGTTGG	GAAGCCCTGC	AAAGTAAACT	GGATGGCTTT	CTTGCCGCCA	AGGACTGTAT	840
GGCGCAGGGG	ATCAAGATCT	GATCAAGAGA	CAGGATGAGG	ATCGTTTCGC	ATGATTGAAC	900
AAGATGGATT	GCACGCAGGT	TCTCCGGCCG	CTTGGGTGGA	GAGGCTATTC	GGCTATGACT	960
GGGCAACAAC	GACAATCGGC	TGCTCTGATG	CCGCCGTGTT	CCGGCTGTCA	GCGCAGGGGC	1020
GCCCGGTTCT	TTTTGTCAAG	ACCGACCTGT	CCGGTGCCCT	GAATGAACTG	CAGGACGAGG	1080
CAGCGCGGCT	ATCGTGCGTG	GCCACGACGG	GCGTTCCTTG	CGCAGCTGTG	CTCGACGTTG	1140
TCACTGAAGC	GGGAAGGGAC	TGGCTGCTAT	TGGGCGAAGT	GCCGGGGCAG	GATCTCCTGT	1200
CATCTCACCT	TGCTCCTGCC	GAGAAAGTAT	CCATCATGGC	TGATGCAATG	CGGCGGCTGC	1260
ATACGCTTGA	TCCGGCTACC	TGCCCCATTG	ACCACCAAGC	GAAACATCGC	ATCGAGCGAG	1320
CACGTACTCG	GATGGAAGCC	GGTCTTGTCG	ATCAGGATGA	TCTGGACGAA	GAGCATCAGG	1380
GGCTCGCGCC	AGCCGAAGT	TTCCGCCAGG	TCAAGGCGCG	CATGCCCCGAC	GGCGAGGATC	1440
TCGTCGTGAC	CCATGGCGAT	GCCTGCTTGC	CGAATATCAT	GGTGGAATA	GGCCGCTTTT	1500
CTGGATTTCAT	CGACTGTGGC	CGGCTGGGTG	TGGCGGACCG	CTATCAGGAC	ATAGCGTTGG	1560
CTACCCGTGA	TATTGCTGAA	GAGCTTGGCG	GCGAATGGGC	TGACCGCTTC	CTCGTGCTTT	1620
ACGGTATCGC	CGCTCCCGAT	TCGCAGCGCA	TCGCCTTCTA	TCGCCTTCTT	GACGAGTTCT	1680
TCTGAGCGGG	ACTCTGGGGT	TCGAAATGAC	CGACCAAGCG	ACGCCCCGTG	TTTGCAATGG	1740
CGGTGCGCGA	AAGTTGATGC	GCTGTATCGT	GGTGAAGATC	AATCCATGCT	GCGTGACGAG	1800
GCCACACTGT	GAGTTGGTCA	GGGGGGGCTT	ACTCGGCGTT	TTCCGACACT	GCGTTGGTTG	1860
CGGCAGTGCG	CACCCCTGG	ATTGATTGCG	GGGGTGCCCT	GTCGCTGGTG	TCGCCTATCG	1920
ACTTAGGGGT	AAAGGTCGCT	CGCGAAGTTC	TGATGCGTGC	GTCGCTTGAA	CCACAAATGG	1980
TCGATAGCGT	ACTCGCAGGC	TCTATGGCTC	AAGCAAGCTT	TGATGCTTAC	CTGCTCCCGC	2040
GGCACAATTG	CTGTACAGC	GGTGTTCCTA	AGTCGGTTCC	GGCCTTGGGG	GTGCAGCGCA	2100
TTTGCGGCAC	AGGCTTCGAA	CTGCTTCGGC	AGGCCGGCGA	GCAGATTTC	CAAGGCGCTG	2160
ATCACGTGCT	GTGTGTCGCG	GGCTGCAG				2188

Figure 2g

REPLACEMENT SHEET

Sequence 8

CTGCAGCCGA	GCATCGATTG	AGCACTTTAC	CCAGCTGCGC	TGGCTGACCA	TTCAGAATGG	60
CCCGCGGCAC	TATCCAATCT	AAATCGATCT	TCGGGCGCCG	CGGGCATCAT	GCCCGCGGCG	120
CTCGCCTCAT	TTCAATCTCT	AACTTGATAA	AAACAGAGCT	GTTCTCCGGT	CTTGGTGGAAT	180
CAAGGCCAGT	CGCGGAGAGT	CTCGAAGAGG	AGAGTACAGT	GAACGCCGAG	TCCACATTGC	240
AACCGCAGGC	ATCATCATGC	TCTGCTCAGC	CACGTACCG	CAGTGTGTCT	ATTGGTCATC	300
CTCCGGTTGA	GGTTACGCAA	GACGCTGGAG	GTATTGTCCG	GATGCGTTCT	CTCGAGGCGC	360
TTCTTCCCTT	CCCGGGTCGA	ATTCTTGAGC	GTCTCGAGCA	TTGGGCTAAG	ACCCGTCCAG	420
AACAAACCTG	CGTTGCTGCC	AGGGCGGCAA	ATGGGGAATG	GCGTCGTATC	AGCTACGCGG	480
AAATGTTCCA	CAACGTCCGC	GCCATCGCAC	AGAGCTTGCT	TCCTTACGGA	CTATCGGCAG	540
AGCGTCCGCT	GCTTATCGTC	TCTGGAAATG	ACCTGGAACA	TCTTCAGCTG	GCATTTGGGG	600
CTATGTATGC	GGGCATTCCC	TATTGCCCGG	TGTCTCCTGC	TTATTCACTG	CTGTGCGCAAG	660
ATTTGGCGAA	GCTGCGTCAC	ATCGTAGGTC	TTCTGCAACC	GGGACTGGTC	TTTGCTGCCG	720
ATGCAGCACC	TTTCCAGGGG	GAGAGGCGGT	TTGCGTATTG	GGCGCATGCA	TAAAACTGT	780
TGTAATTTCAT	TAAGCATTCT	GCCGACATGG	AAGCCATCAC	AAACGGCATG	ATGAACCTGA	840
ATCGCCAGCG	GCATCAGCAC	CTTGTCGCCT	TGCGTATAAT	ATTTGCCCAT	GGACGCACAC	900
CGTGGAACG	GATGAAGGCA	CGAACCCAGT	TGACATAAGC	CTGTTCCGGT	CGTAAACTGT	960
AATGCAAGTA	GCGTATGCGC	TCACGCAACT	GGTCCAGAAC	CTTGACCGAA	CGCAGCGGTG	1020
GTAACGGCGC	AGTGGCGGTT	TTCATGGCTT	GTTATGACTG	TTTTTTTGTA	CAGTCTATGC	1080
CTCGGGCATC	CÀAGCAGCAA	GCGCGTTACG	CCGTGGGTCG	ATGTTTGATG	TTATGGAGCA	1140
GCAACGATGT	TACGCAGCAG	CAACGATGTT	ACGCAGCAGG	GCAGTCGCCC	TAAAACAAAG	1200
TTAGGTGGCT	CAAGTATGGG	CATCATTCGC	ACATGTAGGC	TCGGCCCTGA	CCAAGTCAAA	1260
TCCATGCGGG	CTGCTCTTGA	TCTTTTCGGT	CGTGAGTTTCG	GAGACGTAGC	CACCTACTCC	1320
CAACATCAGC	CGGACTCCGA	TTACCTCGGG	AACTTGCTCC	GTAATAAGAC	ATTCATCGCG	1380
CTTGCTGCCT	TCGACCAAGA	AGCGGTTGTT	GGCGCTCTCG	CGGCTTACGT	TCTGCCCAGG	1440
TTTGAGCAGC	CGCGTAGTGA	GATCTATATC	TATGATCTCG	CAGTCTCCGG	CGAGCACCGG	1500
AGGCAGGGCA	TTGCCACCGC	GCTCATCAAT	CTCCTCAAGC	ATGAGGCCAA	CGCGCTTGTT	1560
GCTTATGTGA	TCTACGTGCA	AGCAGATTAC	GGTGACGATC	CCGCAGTGGC	TCTCTATACA	1620
AAGTTGGGCA	TACGGGAAGA	AGTGATGCAC	TTTGATATCG	ACCCAAGTAC	CGCCACCTAA	1680
CAATTCGTTT	AAGCCGAGAT	CGGCTTCCCC	TGTTTTGCAA	TGGCGGTCGG	CGAAAGTTGA	1740
TGCGCTGTAT	CGTGGTGAAG	ATCAATCCAT	GCTGCGTGAC	GAGGCCACAC	TGTGAGTTGG	1800
TCAGGGGGGG	CTTACTCGGC	GTTTTCCGAC	ACTGCGTTGG	TTGCGGCAGT	GCGCACCCCC	1860
TGGATTGATT	GCGGGGGTGC	CCTGTCGCTG	GTGTCGCCTA	TCGACTTAGG	GGTAAAGGTC	1920
GCTCGCGAAG	TTCTGATGCG	TGCGTCGCTT	GAACCACAAA	TGGTCGATAG	CGTACTCGCA	1980
GGCTCTATGG	CTCAAGCAAG	CTTTGATGCT	TACCTGCTCC	CGCGGCACAT	TGGCTTGTA	2040
AGCGGTGTTT	CCAAGTCGGT	TCCGGCCTTG	GGGGTGCAGC	GCATTTGCGG	CACAGGCTTC	2100
GAAGTGCTTC	GGCAGGCCGG	CGAGCAGATT	TCCCAAGGCG	CTGATCACGT	GCTGTGTGTC	2160
GCGGGCTGCA	G					2171

Figure 2h

REPLACEMENT SHEET

Sequence 9

CTGCAGCCGA	GCATCGATTG	AGCACTTTAC	CCAGCTGCGC	TGGCTGACCA	TTCAGAATGG	60
CCCGCGGCAC	TATCCAATCT	AAATCGATCT	TCGGGCGCCG	CGGGCATCAT	GCCCGCGGCG	120
CTCGCCTCAT	TTCAATCTCT	AACTTGATAA	AAACAGAGCT	GTTCTCCGGT	CTTGGTGGAT	180
CAAGGCCAGT	CGCGGAGAGT	CTCGAAGAGG	AGAGTACAGT	GAACGCCGAG	TCCACATTGC	240
AACCGCAGGC	ATCATCATGC	TCTGCTCAGC	CACGCTACCG	CAGTGTGTCT	ATTGGTCATC	300
CTCCGGTTGA	GGTTACGCAA	GACGCTGGAG	GTATTGTCCG	GATGCGTTCT	CTCGAGGCGC	360
TTCTTCCCTT	CCCGGGTCGA	ATTCTTGAGC	GTCTCGAGCA	TTGGGCTAAG	ACCCGTCCAG	420
AACAAACCTG	CGTTGCTGCC	AGGGCGGCAA	ATGGGGAATG	GCGTCGTATC	AGCTACGCGG	480
AAATGTTCCA	CAACGTCCGC	GCCATCGCAC	AGAGCTTGCT	TCCTTACGGA	CTATCGGCAG	540
AGCGTCCGCT	GCTTATCGTC	TCTGGAAATG	ACCTGGAACA	TCTTCAGCTG	GCATTTGGGG	600
CTATGTATGC	GGGCATTCCC	TATTGCCCCG	TGTCTCCTGC	TTATTCACTG	CTGTCGCAAG	660
ATTTGGCGAA	GCTGCGTCAC	ATCGTAGGTC	TTCTGCAACC	GGGACTGGTC	TTTGCTGCCG	720
ATGCAGCACC	TTTCCAGCGC	GCTGTTTTGC	AATGGCGGTC	GGCGAAAGTT	GATGCGCTGT	780
ATCGTGGTGA	AGATCAATCC	ATGCTGCGTG	ACGAGGCCAC	ACTGTGAGTT	GGTCAGGGGG	840
GGCTTACTCG	GCGTTTTCCG	ACACTGCGTT	GGTTGCGGCA	GTGCGCACCC	CCTGGATTGA	900
TTGCGGGGGT	GCCCTGTCTG	TGGTGTCTGC	TATCGACTTA	GGGGTAAAGG	TCGCTCGCGA	960
AGTTCTGATG	CGTGCGTCGC	TTGAACCACA	AATGGTCGAT	AGCGTACTCG	CAGGCTCTAT	1020
GGCTCAAGCA	AGCTTTGATG	CTTACCTGCT	CCCGCGGCAC	ATTGGCTTGT	ACAGCGGTGT	1080
TCCCAAGTCG	GTTCCGGCCT	TGGGGGTGCA	GCGCATTTGC	GGCACAGGCT	TCGAACTGCT	1140
TCGGCAGGCC	GGCGAGCAGA	TTTCCCAAGG	CGCTGATCAC	GTGCTGTGTG	TCGCGGGCTG	1200
CAG						1203

Figure 2i

REPLACEMENT SHEET

Sequence 10

GAATTCCCC	GGCGACGAAA	GGGCGGCAGG	CCGCATGGCC	ACGGCTGGGC	GGTAACTGAT	60
GCTTGCGTTA	ATCGTTAACC	GTTTGAAAATT	CCTTGCCAAA	TTTCGGCGAG	AGAATCATGC	120
GGGTACGCCT	TTCCGTGCGC	TTTGATCTGC	GCTTCCGTGC	CTTGAATCAG	AAAAATAGTT	180
AATTGACAGA	ACTATAGGTT	CGCAGTAGCT	TTTGCTCACC	CACCAAATCC	ACAGCACTGG	240
GGTGCACGAT	GAATAGCTAC	GATGGCCGTT	GGTCTACCGT	TGATGTGAAG	GTTGAAGAAG	300
GTATCGCTTG	GGTCACGCTG	AACCGCCCCG	AGAAGCGCAA	CGCAATGAGC	CCAACTCTCA	360
ATCGAGAGAT	GGTCGAGGTT	CTGGAGGTGC	TGGAGCAGGA	CGCAGATGCT	CGCGTGCTTG	420
TTCTGACTGG	TGCAGGCGAA	TCCTGGACCG	CGGGCATGGA	CCTGAAGGAG	TATTTCCGCG	480
AGACCGATGC	TGGCCCCGAA	ATTCTGCAAG	AGAAGATTCT	TCGGGGACAG	CAAGCGAACC	540
GGAATTGCCA	GCTGGGGCGC	CCTCTGGTAA	GGTTGGGAAG	CCCTGCAAAG	TAAACTGGAT	600
GGCTTTCTTG	CCGCCAAGGA	TCTGATGGCG	CAGGGGATCA	AGATCTGATC	AAGAGACAGG	660
ATGAGGATCG	TTTCGCATGA	TTGAACAAGA	TGGATTGCAC	GCAGGTTCTC	CGGCCGCTTG	720
GGTGGAGAGG	CTATTCGGCT	ATGACTGGGC	ACAACAGACA	ATCGGCTGCT	CTGATGCCGC	780
CGTGTTCCGG	CTGTCAGCGC	AGGGGCGCCC	GGTTCTTTTT	GTCAAGACCG	ACCTGTCCGG	840
TGCCCTGAAT	GAAGTGCAGG	ACGAGGCAGC	GCGGCTATCG	TGGCTGGCCA	CGACGGGCGT	900
TCCTTGCGCA	GCTGTGCTCG	ACGTTGTAC	TGAAGCGGGA	AGGGACTGGC	TGCTATTGGG	960
CGAAGTGCCG	GGGCAGGATC	TCCTGTGATC	TCACCTTGCT	CCTGCCGAGA	AAGTATCCAT	1020
CATGGCTGAT	GCAATGCGGC	GGCTGCATAC	GCTTGATCCG	GCTACCTGCC	CATTTCGACCA	1080
CCAAGCGAAA	CATCGCATCG	AGCGAGCAGC	TACTCGGATG	GAAGCCGGTC	TTGTCTGATCA	1140
GGATGATCTG	GACGAAGAGC	ATCAGGGGCT	CGCGCCAGCC	GAAGTGTTCG	CCAGGCTCAA	1200
GGCGCGCATG	CCCAGCGGCG	AGGATCTCGT	CGTGACCAT	GGCGATGCCT	GCTTGCCGAA	1260
TATCATGGTG	GAAAATGGCC	GCTTTTCTGG	ATTCATCGAC	TGTGGCCGGC	TGGGTGTGGC	1320
GGACCGCTAT	CAGGACATAG	CGTTGGCTAC	CCGTGATATT	GCTGAAGAGC	TTGGCGGCGA	1380
ATGGGCTGAC	CGCTTCCTCG	TGCTTTACGG	TATCGCCGCT	CCCGATTTCG	AGCGCATCGC	1440
CTTCTATCGC	CTTCTTGACG	AGTTCTTCTG	AGCGGGACTC	TGGGGTTTCA	AATGACCGAC	1500
CAAGCGACGC	CCCAGAGCAG	GCATGAAGCA	GTTCTTGAC	GAGAAAAGCA	TCAAGCCGGG	1560
CTTGACAGAC	TACAAGCGCT	GATAAATGCG	CCGGGGCCCT	CGCTGCGCCC	CCGGCCTTCC	1620
AATAATGACA	ATAATGAGGA	GTGCCCAATG	TTTCACGTGC	CCCTGCTTAT	TGGTGGTAAG	1680
CCTTGTTTCA	CATCTGATGA	GCGCACCTTC	GAGCGTCGTA	GCCCCTGAC	CGGAGAAGTG	1740
GTATCGCGCG	TCGCTGCTGC	CAGTTTGGAA	GATGCGGACG	CCGCAGTGGC	CGCTGCACAG	1800
GCTGCGTTTC	CTGAATGGGC	GGCGCTTGCT	CCGAGCGAAC	GCCGTGCCCC	ACTGCTGCGA	1860
GCGGCGGATC	TTCTAGAGGA	CCGTTCTTCC	GAGTTCACCG	CCGCAGCGAG	TGAAACTGGC	1920
GCAGCGGGAA	ACTGGTATGG	GTTTAAACGTT	TACCTGGCGG	CGGGCATGTT	GCGGGGAATT	1980
C						1981

Figure 2j

REPLACEMENT SHEET

Sequence 11

GAATTCCCTT	GGCGACGAAA	GGGCGGCAGG	CCGCATGGCC	ACGGCTGGGC	GGTAACTGAT	60
GCTTGCGTTA	ATCGTTAACC	GTTTGAAATT	CCTTGCCAAA	TTTCGGCGAG	AGAATCATGC	120
GGGTACGCCT	TTCCGTGCGC	TTTGATCTGC	GCTTCCGTGC	CTTGAATCAG	AAAAATAGTT	180
AATTGACAGA	ACTATAGGTT	CGCAGTAGCT	TTTGCTCACC	CACCAAATCC	ACAGCACTGG	240
GGTGCACGAT	GAATAGCTAC	GATGGCCGTT	GGTCTACCGT	TGATGTGAAG	GTTGAAGAAG	300
GTATCGCTTG	GGTCACGCTG	AACCGCCCGG	AGAAGCGCAA	CGCAATGAGC	CCAACCTCTCA	360
ATCGAGAGAT	GGTCGAGGTT	CTGGAGGTGC	TGGAGCAGGA	CGCAGATGCT	CGCGTGCTTG	420
TTCTGACTGG	TGCAGGCGAA	TCCTGGACCG	CGGGCATGGA	CCTGAAGGAG	TATTTCCGCG	480
AGACCGATGC	TGGCCCCGAA	ATTCTGCAAG	AGAAGATTCT	TCGGGGGAGA	GGCGGTTTGC	540
GTATTGGGCG	CATGCATAAA	AACTGTTGTA	ATTCAATTAAG	CATTCTGCCG	ACATGGAAGC	600
CATCACAAAC	GGCATGATGA	ACCTGAATCG	CCAGCGGCAT	CAGCACCTTG	TCGCCTTGCG	660
TATAATATTT	GCCCATGGAC	GCACACCGTG	GAAACGGATG	AAGGCACGAA	CCCAGTTGAC	720
ATAAGCCTGT	TCGGTTCGTA	AACTGTAATG	CAAGTAGCGT	ATGCGCTCAC	GCAACTGGTC	780
CAGAACCTTG	ACCGAACGCA	GCGGTGGTAA	CGGCGCAGTG	GCGGTTTTCA	TGGCTTGTTA	840
TGACTGTTTT	TTTGACAGT	CTATGCCCTCG	GGCATCCAAG	CAGCAAGCGC	GTTACGCCGT	900
GGGTGCATGT	TTGATGTTAT	GGAGCAGCAA	CGATGTTACG	CAGCAGCAAC	GATGTTACGC	960
AGCAGGGCAG	TCGCCCTAAA	ACAAAGTTAG	GTGGCTCAAG	TATGGGCATC	ATTTCGCACAT	1020
GTAGGCTCGG	CCCTGACCAA	GTCAAATCCA	TGCGGGCTGC	TCTTGATCTT	TTCGGTCGTG	1080
AGTTCGGAGA	CGTAGCCACC	TACTCCCAAC	ATCAGCCGGA	CTCCGATTAC	CTCGGGAAC	1140
TGCTCCGTAG	TAAGACATTC	ATCGCGCTTG	CTGCCTTCGA	CCAAGAAGCG	GTTGTTGGCG	1200
CTCTCGCGGC	TTACGTTCTG	CCCAGGTTTG	AGCAGCCGCG	TAGTGAGATC	TATATCTATG	1260
ATCTCGCAGT	CTCCGGCGAG	CACCGGAGGC	AGGGCATTGC	CACCGCGCTC	ATCAATCTCC	1320
TCAAGCATGA	GGCCAACGCG	CTTGGTGCTT	ATGTGATCTA	CGTGCAAGCA	GATTACGGTG	1380
ACGATCCCGC	AGTGGCTCTC	TATACAAAAGT	TGGGCATACG	GGAAGAAGTG	ATGCACTTTG	1440
ATATCGACCC	AAGTACCGCC	ACCTAACAAAT	TCGTTCAAGC	CGAGATCGGC	TTCCCCGAGC	1500
AGGGCATGAA	GCAGTTCCTT	GACGAGAAAA	GCATCAAGCC	GGGCTTGCAG	ACCTACAAGC	1560
GCTGATAAAT	GCGCCGGGGC	CCTCGCTGCG	CCCCCGCCT	TCCAATAATG	ACAATAATGA	1620
GGAGTGCCCA	ATGTTTTCACG	TGCCCCCTGCT	TATTGGTGGT	AAGCCTTGTT	CAGCATCTGA	1680
TGAGCGCACC	TTCGAGCGTC	GTAGCCCGCT	GACCGGAGAA	GTGGTATCGC	GCGTCGCTGC	1740
TGCCAGTTTG	GAAGATGCGG	ACGCCGCGT	GGCCGCTGCA	CAGGCTGCGT	TTCTTGAATG	1800
GGCGGCGCTT	GCTCCGAGCG	AACGCCGTGC	CCGACTGCTG	CGAGCGGCGG	ATCTTCTAGA	1860
GGACCGTTCT	TCCGAGTTCA	CCGCCGCAGC	GAGTGAAACT	GGCGCAGCGG	GAAACTGGTA	1920
TGGGTTTAAC	GTTTACCTGG	CGGCGGGCAT	GTTGCGGGGA	ATTC		1964

Figure 2k

REPLACEMENT SHEET

Sequence 12

GAATTCCCCT	GGCGACGAAA	GGGCGGCAGG	CCGCATGGCC	ACGGCTGGGC	GGTAACTGAT	60
GCTTGCGTTA	ATCGTTAACC	GTTTGAAATT	CCTTGCCAAA	TTTCGGCGAG	AGAATCATGC	120
GGGTACGCCT	TTCCGTGCGC	TTTGATCTGC	GCTTCCGTGC	CTTGAATCAG	AAAAATAGTT	180
AATTGACAGA	ACTATAGGTT	CGCAGTAGCT	TTTGCTCACC	CACCAAATCC	ACAGCACTGG	240
GGTGACGAT	GAATAGCTAC	GATGGCCGTT	GGTCTACCGT	TGATGTGAAG	GTTGAAGAAG	300
GTATCGCTTG	GGTCACGCTG	AACCGCCCGG	AGAAGCGCAA	CGCAATGAGC	CCAACTCTCA	360
ATCGAGAGAT	GGTCGAGGTT	CTGGAGGTGC	TGGAGCAGGA	CGCAGATGCT	CGCGTGCTTG	420
TTCTGACTGG	TGCAGGCGAA	TCCTGGACCG	CGGGCATGGA	CCTGAAGGAG	TATTTCCGCG	480
AGACCGATGC	TGGCCCCGAA	ATTCTGCAAG	AGAAGATTCG	TCGCGAGCAG	GGCATGAAGC	540
AGTTCCTTGA	CGAGAAAAGC	ATCAAGCCGG	GCTTGCAGAC	CTACAAGCGC	TGATAAATGC	600
GCCGGGGCCC	TCGCTGCGCC	CCCGGCCTTC	CAATAATGAC	AATAATGAGG	AGTGCCCAAT	660
GTTTCACGTG	CCCCTGCTTA	TTGGTGGTAA	GCCTTGTTCA	GCATCTGATG	AGCGCACCTT	720
CGAGCGTCGT	AGCCCGCTGA	CCGGAGAAGT	GGTATCGCGC	GTCGCTGCTG	CCAGTTTGGA	780
AGATGCGGAC	GCCGCAGTGG	CCGCTGCACA	GGCTGCGTTT	CCTGAATGGG	CGGCGCTTGC	840
TCCGAGCGAA	CGCCGTGCCC	GACTGCTGCG	AGCGGCGGAT	CTTCTAGAGG	ACCGTTCTTC	900
CGAGTTCACC	GCCGCAGCGA	GTGAAACTGG	CGCAGCGGGA	AACTGGTATG	GGTTTAACGT	960
TTACCTGGCG	GCGGGCATGT	TGCGGGGAAT	TC			992

Figure 21

REPLACEMENT SHEET

Sequence 13

GAATTCCAAT	AATGACAATA	ATGAGGAGTG	CCCAATGTTT	CACGTGCCCC	TGCTTATTGG	60
TGGTAAGCCT	TGTTTCAGCAT	CTGATGAGCG	CACCTTCGAG	CGTCGTAGCC	CGCTGACCGG	120
AGAAGTGGTA	TCGCGCGTCG	CTGCTGCCAG	TTTGGAGAT	GCGGACGCCG	CAGTGGCCGC	180
TGCACAGGCT	GCGTTTCCTG	AATGGGCGGC	GCTTGCTCCG	AGCGAACGCC	GTGCCCCACT	240
GCTGCGAGCG	GCGGATCTTC	TAGAGGACCG	TTCTTCCGAG	TTCAACGCCG	CAGCGAGTGA	300
AACTGGCGCA	GCGGGAAACT	GGTATGGGTT	TAACGTTTAC	CTGGCGGCCG	GCATGTTGCG	360
GGAAGCCGCG	GCCATGACCA	CACAGATTCA	GGGCGATGTC	ATTCCGTCCA	ATGTGCCCGG	420
TAGCTTTGCC	ATGGCGGTTC	GACAGCCATG	TGGCGTGGTG	CTCGGTATTG	CGCCTTGGAA	480
TGCTCCGGTA	ATCCTTGCGG	TACGGGCTGT	TGCGATGCCG	TTGGCATGCG	GCAATACCGT	540
GGTGTGAAA	AGCTCTGAGC	TGAGTCCCTT	TACCCATCGC	CTGATTGGTC	AGGTGTTGCA	600
TGATGCTGGT	CTGGGGGATG	GCGTGGTGAA	TGTCATCAGC	AATGCCCCGC	AAGACGCTCC	660
TGCGGTGGTG	GAGCGACTGA	TTGCAAATCC	TGCGGTACGT	CGAGTGAAct	TCACCGGTTT	720
GACCCACGTT	GGACGGATCA	TTGGTGAGCT	GTCTGCGCGT	CATCTGAAGC	CTGCTGTGCT	780
GGAATTAGGT	GGTAAGGCTC	CGTTCTTGGT	CTTGGACGAT	GCCGACCTCG	ATGCGGCGGT	840
CGAAGCGGCG	GCCTTTGGTG	CCTACTTCAA	TCAGGGTCAA	ATCTGCATGT	CCACTGAGCG	900
TCTGATTGTG	ACAGCAGTCG	CAGACGCCTT	TGTTGAAAAG	CTGGCGAGGA	AGGTCGCCAC	960
ACTGCGTGCT	GGCGATCCTA	ATGATCCGCA	ATCGGTCTTG	GGTTCGTTGA	TTGATGCCAA	1020
TGCAGGTCAA	CGCATCCAGG	TTCTGGTCCA	TGATGCGCTC	GGGGACAGCA	AGCGAACCGG	1080
AATTGCCAGC	TGGGGCGCCC	TCTGGTAAGG	TTGGGAAGCC	CTGCAAAGTA	AACTGGATGG	1140
CTTTCTTGCC	GCCAAGGATC	TGATGGCGCA	GGGGATCAAG	ATCTGATCAA	GAGACAGGAT	1200
GAGGATCGTT	TCGCATGATT	GAACAAGATG	GATTGCACGC	AGGTTCTCCG	GCCGCTTGGG	1260
TGGAGAGGCT	ATTCGGCTAT	GACTGGGCAC	AACAGACAAT	CGGCTGCTCT	GATGCCGCCG	1320
TGTTCCGGCT	GTCAGCGCAG	GGGCGCCCCG	TTCTTTTTGT	CAAGACCGAC	CTGTCCGGTG	1380
CCCTGAATGA	ACTGCAGGAC	GAGGCAGCGC	GGCTATCGTG	GCTGGCCACG	ACGGGCGTTC	1440
CTTGCGCAGC	TGTGCTCGAC	GTTGTCACTG	AAGCGGGAAG	GGACTGGCTG	CTATTGGGCG	1500
AAGTGCCGGG	GCAGGATCTC	CTGTCACTC	ACCTTGCTCC	TGCCGAGAAA	GTATCCATCA	1560
TGGCTGATGC	AATGCGGCGG	CTGCATACGC	TTGATCCGGC	TACCTGCCCA	TTGACCACC	1620
AAGCGAAACA	TCGCATCGAG	CGAGCACGTA	CTCGGATGGA	AGCCGGTCTT	GTCGATCAGG	1680
ATGATCTGGA	CGAAGAGCAT	CAGGGGCTCG	CGCCAGCCGA	ACTGTTCCGC	AGGCTCAAGG	1740
CGCGCATGCC	CGACGGCGAG	GATCTCGTCG	TGACCCATGG	CGATGCCTGC	TTGCCGAATA	1800
TCATGGTGGA	AAATGGCCGC	TTTTCTGGAT	TCATCGACTG	TGGCCGGCTG	GGTGTGGCGG	1860
ACCGCTATCA	GGACATAGCG	TTGGCTACCC	GTGATATTGC	TGAAGAGCTT	GGCGGCGAAT	1920
GGGCTGACCG	CTTCCTCGTG	CTTTACGGTA	TCGCCGCTCC	CGATTTCGAG	CGCATCGCCT	1980
TCTATCGCCT	TCTTGACGAG	TTCTTCTGAG	CGGGACTCTG	GGGTTCGAAA	TGACCGACCA	2040
AGCGACGCCC	GGCCCAGCGC	GTCGATTCCG	GCATTTGCCA	TATCAATGGA	CCGACTGTGC	2100
ATGACGAGGC	TCAGATGCCA	TTCGGTGGGG	TGAAGTCCAG	CGGCTACGGC	AGCTTCGGCA	2160

Figure 2m

REPLACEMENT SHEET

GTCGAGCATC	GATTGAGCAC	TTTACCCAGC	TGCGCTGGCT	GACCATTTCAG	AATGGCCCCG	2220
GGCACTATCC	AATCTAAATC	GATCTTCGGG	CGCCGCGGGC	ATCATGCCCCG	CGGCGCTCGC	2280
CTCATTTCAA	TCTCTAACTT	GATAAAAACA	GAGCTGTTCT	CCGGTCTTGG	TGGATCAAGG	2340
CCAGTCGCGG	AGAGTCTCGA	AGAGGAGAGT	ACAGTGAACG	CCGAGTCCAC	ATTGCAACCG	2400
CAGGCATCAT	CATGCTCTGC	TCAGCCACGC	TACCGCAGTG	TGTCGATTGG	TCATCCTCCG	2460
GTTGAGGTTA	CGCAAGACGC	TGGAGGTATT	GTCCGGATGC	GTTCTCTCGA	GGCGCTTCTT	2520
CCCTTCCCGG	GTGGAATTC					2539

REPLACEMENT SHEET

Sequence 14

GAATTCCAAT	AATGACAATA	ATGAGGAGTG	CCCAATGTTT	CACGTGCCCC	TGCTTATTGG	60
TGGTAAGCCT	TGTTACAGCAT	CTGATGAGCG	CACCTTCGAG	CGTCGTAGCC	CGCTGACCGG	120
AGAAGTGGA	TCGCGCGTCG	CTGCTGCCAG	TTTGGAAGAT	GCGGACGCCG	CAGTGGCCGC	180
TGCACAGGCT	GCGTTTCCTG	AATGGGCGGC	GCTTGCTCCG	AGCGAACGCC	GTGCCCAGCT	240
GCTGCGAGCG	GCGGATCTTC	TAGAGGACCG	TTCTTCCGAG	TTCACCGCCG	CAGCGAGTGA	300
AACTGGCGCA	GCGGGAAACT	GGTATGGGTT	TAACGTTTAC	CTGGCGGCGG	GCATGTTGCG	360
GGAAGCCGCG	GCCATGACCA	CACAGATTCA	GGGCGATGTC	ATTCCGTCCA	ATGTGCCCGG	420
TAGCTTTGCC	ATGGCGGTTC	GACAGCCATG	TGGCGTGGTG	CTCGGTATTG	CGCCTTGGAA	480
TGCTCCGGTA	ATCCTTGCGG	TACGGGCTGT	TGCGATGCCG	TTGGCATGCG	GCAATACCGT	540
GGTGTGAAA	AGCTCTGAGC	TGAGTCCCTT	TACCCATCGC	CTGATTGGTC	AGGTGTTGCA	600
TGATGCTGGT	CTGGGGGATG	GCGTGGTGAA	TGTCATCAGC	AATGCCCCGC	AAGACGCTCC	660
TGCGGTGGTG	GAGCGACTGA	TTGCAAATCC	TGCGGTACGT	CGAGTGAAGT	TCACCGGTTC	720
GACCCACGTT	GGACGGATCA	TTGGTGAGCT	GTCTGCGCGT	CATCTGAAGC	CTGCTGTGCG	780
GGAATTAGGT	GGTAAGGCTC	CGTTCCTTGGT	CTTGGACGAT	GCCGACCTCG	ATGCGGCGGT	840
CGAAGCGGCG	GCCTTTTGGT	CCTACTTCAA	TCAGGGTCAA	ATCTGCATGT	CCACTGAGCG	900
TCTGATTGTG	ACAGCAGTCG	CAGACGCCCTT	TGTTGAAAAG	CTGGCGAGGA	AGGTGCCCAC	960
ACTGCGTGCT	GGCGATCCTA	ATGATCCGCA	ATCGGTCTTG	GGTTCGTTGA	TTGATGCCAA	1020
TGCAGGTCAA	CGCATCCAGG	TGGGGAGAGG	CGGTTTGCGT	ATTGGGCGCA	TGCATAAAAA	1080
CTGTTGTAAT	TCATTAAGCA	TTCTGCCGAC	ATGGAAGCCA	TCACAAACGG	CATGATGAAC	1140
CTGAATCGCC	AGCGGCATCA	GCACCTTGTC	GCCTTGCGTA	TAATATTTGC	CCATGGACGC	1200
ACACCGTGGA	AACGGATGAA	GGCACGAACC	CAGTTGACAT	AAGCCTGTTT	GGTTCGTAAA	1260
CTGTAATGCA	AGTAGCGTAT	GCGCTCACGC	AACTGGTCCA	GAACCTTGAC	CGAACGCAGC	1320
GGTGGTAACG	GCGCAGTGGC	GGTTTTTCATG	GCTTGTTATG	ACTGTTTTTTT	TGTACAGTCT	1380
ATGCCCTCGG	CATCCAAGCA	GCAAGCGCGT	TACGCCGTGG	GTCGATGTTT	GATGTTATGG	1440
AGCAGCAACG	ATGTTACGCA	GCAGCAACGA	TGTTACGCAG	CAGGGCAGTC	GCCCTAAAAAC	1500
AAAGTTAGGT	GGCTCAAGTA	TGGGCATCAT	TCGCACATGT	AGGCTCGGCC	CTGACCAAGT	1560
CAAATCCATG	CGGGCTGCTC	TTGATCTTTT	CGGTCGTGAG	TTCCGAGACG	TAGCCACCTA	1620
CTCCCAACAT	CAGCCGGACT	CCGATTACCT	CGGGAACCTG	CTCCGTAGTA	AGACATTTCAT	1680
CGCGCTTGCT	GCCTTCGACC	AAGAAGCGGT	TGTTGGCGCT	CTCGCGGCTT	ACGTTCTGCC	1740
CAGGTTTGAG	CAGCCGCGTA	GTGAGATCTA	TATCTATGAT	CTCGCAGTCT	CCGGCGAGCA	1800
CCGGAGGCAG	GGCATTGCCA	CCGCGCTCAT	CAATCTCCTC	AAGCATGAGG	CCAACGCGCT	1860
TGGTGCTTAT	GTGATCTACG	TGCAAGCAGA	TTACGGTGAC	GATCCCGCAG	TGGCTCTCTA	1920
TACAAAGTTG	GGCATAACGG	AAGAAGTGAT	GCACTTTGAT	ATCGACCCAA	GTACCGCCAC	1980
CTAACAATTG	GTTCAAGCCG	AGATCGGCTT	CCCAATTGGC	CCAGCGCGTC	GATTCGGGCA	2040
TTTGCCATAT	CAATGGACCG	ACTGTGCATG	ACGAGGCTCA	GATGCCATTC	GGTGGGGTGA	2100
AGTCCAGCGG	CTACGGCAGC	TTCGGCAGTC	GAGCATCGAT	TGAGCACTTT	ACCCAGCTGC	2160

Figure 2n

REPLACEMENT SHEET

GCTGGCTGAC	CATTCAGAAT	GGCCCGCGGC	ACTATCCAAT	CTAAATCGAT	CTTCGGGCGC	2220
CGCGGGCATC	ATGCCC GCGG	CGCTCGCCTC	ATTTC AATCT	CTAACTTGAT	AAAAACAGAG	2280
CTGTTCTCCG	GTCTTGGTGG	ATCAAGGCCA	GTCGCGGAGA	GTCTCGAAGA	GGAGAGTACA	2340
GTGAACGCCG	AGTCCACATT	GCAACCGCAG	GCATCATCAT	GCTCTGCTCA	GCCACGCTAC	2400
CGCAGTGTGT	CGATTGGTCA	TCCTCCGGTT	GAGGTTACGC	AAGACGCTGG	AGGTATTGTC	2460
CGGATGCGTT	CTCTCGAGGC	GCTTCTTCCC	TTCCCGGGTG	GAATTC		2506

REPLACEMENT SHEET

Sequence 15

GAATTCCAAT	AATGACAATA	ATGAGGAGTG	CCCAATGTTT	CACGTGCCCC	TGCTTATTGG	60
TGGTAAGCCT	TGTTTCAGCAT	CTGATGAGCG	CACCTTCGAG	CGTCGTAGCC	CGCTGACCGG	120
AGAAGTGGTA	TCGCGCGTCG	CTGCTGCCAG	TTTGGAAGAT	GCGGACGCCG	CAGTGGCCGC	180
TGCACAGGCT	GCGTTTCCTG	AATGGGCGGC	GCTTGCTCCG	AGCGAACGCC	GTGCCCAGCT	240
GCTGCGAGCG	GCGGATCTTC	TAGAGGACCG	TTCTTCCGAG	TTCACCGCCG	CAGCGAGTGA	300
AACTGGCGCA	GCGGGAAACT	GGTATGGGTT	TAACGTTTAC	CTGGCGGCGG	GCATGTTGCG	360
GGAAGCCGCG	GCCATGACCA	CACAGATTCA	GGGCGATGTC	ATTCCGTCCA	ATGTGCCCCG	420
TAGCTTTGCC	ATGGCGGTTT	GACAGCCATG	TGGCGTGGTG	CTCGGTATTG	CGCCTTGGA	480
TGCTCCGGTA	ATCCTTGCG	TACGGGCTGT	TGCGATGCCG	TTGGCATGCG	GCAATACCGT	540
GGTGTGAAA	AGCTCTGAGC	TGAGTCCCTT	TACCCATCGC	CTGATTGGTC	AGGTGTTGCA	600
TGATGCTGGT	CTGGGGGATG	GCGTGGTGAA	TGTCATCAGC	AATGCCCCGC	AAGACGCTCC	660
TGCGGTGGTG	GAGCGACTGA	TTGCAAATCC	TGCGGTACGT	CGAGTGAAC	TCACCGGTTT	720
GACCCACGTT	GGACGGATCA	TTGGTGAGCT	GTCTGCGCGT	CATCTGAAGC	CTGCTGTGCT	780
GGAATTAGGT	GGTAAGGCTC	CGTTCTTGGT	CTTGACGAT	GCCGACCTCG	ATGCGGCGGT	840
CGAAGCGGCG	GCCTTTGGTG	CCTACTTCAA	TCAGGGTCAA	ATCTGCATGT	CCACTGAGCG	900
TCTGATTGTG	ACAGCAGTCG	CAGACGCCTT	TGTTGAAAAG	CTGGCGAGGA	AGGTCGCCAC	960
ACTGCGTGCT	GGCGATCCTA	ATGATCCGCA	ATCGGTCTTG	GGTTCGTTGA	TTGATGCCAA	1020
TGCAGGTCAA	CGCATCCAGG	TTCTGGTCGA	TGATGCGCTC	GCAAAAGGCG	CGCAATGGAA	1080
TTGGCCCAGC	GCGTCGATT	GGGCATTGTC	CATATCAATG	GACCGACTGT	GCATGACGAG	1140
GCTCAGATGC	CATTTCGGTG	GGTGAAAGTCC	AGCGGCTACG	GCAGCTTCGG	CAGTCGAGCA	1200
TCGATTGAGC	ACTTTACCCA	GCTGCGCTGG	CTGACCATT	AGAATGGCCC	GCGGCACTAT	1260
CCAATCTAAA	TCGATCTTCG	GGCGCCGCGG	GCATCATGCC	CGCGGCGCTC	GCCTCATTTC	1320
AATCTCTAAC	TTGATAAAAA	CAGAGCTGTT	CTCCGGTCTT	GGTGGATCAA	GGCCAGTCGC	1380
GGAGAGTCTC	GAAGAGGAGA	GTACAGTGAA	CGCCGAGTCC	ACATTGCAAC	CGCAGGCATC	1440
ATCATGCTCT	GCTCAGCCAC	GCTACCGCAG	TGTGTCGATT	GGTCATCCTC	CGGTTGAGGT	1500
TACGCAAGAC	GCTGGAGGTA	TTGTCCGGAT	GCGTTCTCTC	GAGGCGCTTC	TTCCCTTCCC	1560
GGGTGGAATT	C					1571

Figure 20

REPLACEMENT SHEET

Sequence 16

GAATTCCGCG	GTCGGCGAAA	GTTGATGCGC	TGTATCGTGG	TGAAGATCAA	TCCATGCTGC	60
GTGACGAGGC	CACACTGTGA	GTTGGTCAGG	GGGGGCTTAC	TCGGCGTTTT	CCGACACTGC	120
GTTGGTTGCG	GCAGTGCGCA	CCCCCTGGAT	TGATTGCGGG	GGTGCCCTGT	CGCTGGTGTC	180
GCCTATCGAC	TTAGGGGTAA	AGGTCGCTCG	CGAAGTTCTG	ATGCGTGCGT	CGCTTGAACC	240
ACAAATGGTC	GATAGCGTAC	TCGCAGGCTC	TATGGCTCAA	GCAAGCTTTG	ATGCTTACCT	300
GCTCCCGCGG	CACATTGGCT	TGTACAGCGG	TGTTCCCAAG	TCGGTTCGGG	CCTTGGGGGT	360
GCAGCGCATT	TGCGGCACAG	GCTTCGAAC	GCTTCGGCAG	GCCGGCGAGC	AGATTTCCCA	420
AGGCGCTGAT	CACGTGCTGT	GTGTCGCGGC	AGAGTCCATG	TCGCGTAACC	CCATCGCGTC	480
GTATACACAC	CGGGGCGGGT	TCCGCCCTCG	TGCGCCCCTT	GAGTTCAAGG	ATTTTTTGTG	540
GGAGGCATTG	TTTGATCCTG	CTCCAGGACT	CGACATGATC	GCTACCGCAG	AAAACCTGGG	600
GACAGCAAGC	GAACCGGAAT	TGCCAGCTGG	GGCGCCCTCT	GGTAAGGTTG	GGAAGCCCTG	660
CAAAGTAAAC	TGGATGGCTT	TCTTGCCGCC	AAGGATCTGA	TGGCGCAGGG	GATCAAGATC	720
TGATCAAGAG	ACAGGATGAG	GATCGTTTCG	CATGATTGAA	CAAGATGGAT	TGCACGCAGG	780
TTCTCCGGCC	GCTTGGGTGG	AGAGGCTATT	CGGCTATGAC	TGGGCACAAC	AGACAATCGG	840
CTGCTCTGAT	GCCGCCGTGT	TCCGGCTGTC	AGCGCAGGGG	CGCCCGGTTT	TTTTTGTCAA	900
GACCGACCTG	TCCGGTGCCC	TGAATGAACT	GCAGGACGAG	GCAGCGCGGC	TATCGTGGCT	960
GGCCACGACG	GGCGTTCCTT	GCGCAGCTGT	GCTCGACGTT	GTCACTGAAG	CGGGAAGGGA	1020
CTGGCTGCTA	TTGGGCGAAG	TGCCGGGGCA	GGATCTCCTG	TCATCTCACC	TTGCTCCTGC	1080
CGAGAAAGTA	TCCATCATGG	CTGATGCAAT	GCGGCGGCTG	CATACGCTTG	ATCCGGCTAC	1140
CTGCCCCATC	GACCACCAAG	CGAAACATCG	CATCGAGCGA	GCACGTACTC	GGATGGAAGC	1200
CGGTCTTGTC	GATCAGGATG	ATCTGGACGA	AGAGCATCAG	GGGCTCGCGC	CAGCCGAAC	1260
GTTCGCCAGG	CTCAAGGCGC	GCATGCCCCA	CGGCGAGGAT	CTCGTCGTGA	CCCATGGCGA	1320
TGCCTGCTTG	CCGAATATCA	TGGTGGAATA	TGGCCGCTTT	TCTGGATTCA	TCGACTGTGG	1380
CCGGCTGGGT	GTGGCGGACC	GCTATCAGGA	CATAGCGTTG	GCTACCCGTG	ATATTGCTGA	1440
AGAGCTTGGC	GGCGAATGGG	CTGACCGCTT	CCTCGTGCTT	TACGGTATCG	CCGCTCCCGA	1500
TTTCGAGCGC	ATCGCCTTCT	ATCGCCTTCT	TGACGAGTTC	TTCTGAGCGG	GACTCTGGGG	1560
TTTCGAAATGA	CCGACCAAGC	GACGCCCAT	GAGGGCGCAA	GAGGAGAAAT	GGATTGACCA	1620
AGAGATCGTG	GCTGTTACGG	ATGAACAGTT	CGATTTAGAG	GGCTACAACA	GTCGAGCAAT	1680
TGAACTGCCT	CGGAAGGCAA	AATTGTTGAT	CGTGACAGTC	ATCCGCGGCC	TAGCAGTCTT	1740
TGAAGCCCTT	TCCCGATTGA	AGCCTGTTCA	TTCTGGCGGG	GTGCAGACTG	CGGGCAACAG	1800
CTGTGCCGTA	GTGGACGGCG	CCGCGGCGGC	TTTGGTGGCT	CGAGAGTCGT	CTGCGACACA	1860
GCCGGTCTTG	GCTAGGATAC	TGGCTACCTC	CGTAGTCGGG	ATCGAGCCCG	AGCATATGGG	1920
GCTCGGCCCT	GCGCCCGCGA	TTCGCCCTGCT	GCTTGCGCGT	AGTGATCTTA	GTTTGAGGGA	1980
TATCGACCTC	TTTGAGATAA	ACGAGGCGCA	GGCCGCCCAA	GTTCTAGCGG	TACAGCATGA	2040
ATTGGGTATT	GAGCACTCAA	AACCTAATAT	TTGGGGCGGG	GCCATTGCAC	TTGGACACCC	2100
GCTTGCCGCG	ACCGGATTGC	GTCTCTGCAT	GACCCTCGCT	CACCAATTGC	AAGCTAATAA	2160

Figure 2p

REPLACEMENT SHEET

CTTTCGATAT	GGAATTGCCT	CGGCATGCAT	TGGTGGGGGA	CAGGGGATGG	CGGTTCTTTT	2220
AGAGAATCCC	CACTTCGGTT	CGTCCTCTGC	ACGAAGTTTCG	ATGATTAACA	GAGTTGACCA	2280
CTATCCACTG	AGCTAACGGG	CATCTCCTTT	GTTGCTTTGA	GGTGGCGCAC	GAAGGAGGGC	2340
TCGAAAATCT	CTGCTAAAAA	CAAGAAGAAG	GAACAGGGAA	CATGATTAGT	TTCGCTCGTA	2400
TGGCAGAAAG	TTTAGGAGTC	CAGGCTAAAC	TTGCCCTTGC	CTTCGCACTC	GTATTATGTG	2460
TCGGGCTGAT	TGTTACCGGC	ACGGGTTTCT	ACAGTGTACA	TACCTTGTCA	GGGTTGGTGG	2520
GAATTC						2526

REPLACEMENT SHEET

Sequence 17

GAATTCCGCG	GTCGGCGAAA	GTTGATGCGC	TGTATCGTGG	TGAAGATCAA	TCCATGCTGC	60
GTGACGAGGC	CACACTGTGA	GTTGGTCAGG	GGGGGCTTAC	TCGGCGTTTT	CCGACACTGC	120
GTTGGTTGCG	GCAGTGCGCA	CCCCCTGGAT	TGATTGCGGG	GGTGCCCTGT	CGCTGGTGTC	180
GCCTATCGAC	TTAGGGGTAA	AGGTCTGCTCG	CGAAGTTCTG	ATGCGTGCGT	CGCTTGAACC	240
ACAAATGGTC	GATAGCGTAC	TCGCAGGCTC	TATGGCTCAA	GCAAGCTTTG	ATGCTTACCT	300
GCTCCCGCGG	CACATTGGCT	TGTACAGCGG	TGTTCCCAAG	TCGGTTCCGG	CCTTGGGGGT	360
GCAGCGCATT	TGCGGCACAG	GCTTCGAACT	GCTTCGGCAG	GCCGGCGAGC	AGATTTCCCA	420
AGGCGCTGAT	CACGTGCTGT	GTGTCCGCGC	AGAGTCCATG	TCGCGTAACC	CCATCGCGTC	480
GTATACACAC	CGGGGCGGGT	TCCGCCTCGG	TGCGCCCGTT	GAGTTCAAGG	ATTTTTTGTG	540
GGAGGCATTG	TTTGATCCTG	CTCCAGGACT	CGACATGATC	GCTACCGCAG	AAAACCTGGG	600
GGAGAGGCGG	TTTGCGTATT	GGGCGCATGC	ATAAAAACTG	TTGTAATTCA	TTAAGCATTC	660
TGCCGACATG	GAAGCCATCA	CAAACGCGAT	GATGAACCTG	AATCGCCAGC	GGCATCAGCA	720
CCTTGTCGCC	TTGCGTATAA	TATTTGCCCA	TGGACGCACA	CCGTGGAAAC	GGATGAAGGC	780
ACGAACCCAG	TTGACATAAG	CCTGTTTCGGT	TCGTAAACTG	TAATGCAAGT	AGCGTATGCG	840
CTCACGCAAC	TGGTCCAGAA	CCTTGACCGA	ACGCAGCGGT	GGTAACGGCG	CAGTGGCGGT	900
TTTCATGGCT	TGTTATGACT	GTTTTTTTGT	ACAGTCTATG	CCTCGGGCAT	CCAAGCAGCA	960
AGCGCGTTAC	GCCGTGGGTC	GATGTTTGAT	GTTATGGAGC	AGCAACGATG	TTACGCAGCA	1020
GCAACGATGT	TACGCAGCAG	GGCAGTCGCC	CTAAAAACAA	GTTAGGTGGC	TCAAGTATGG	1080
GCATCATTCG	CACATGTAGG	CTCGGCCCTG	ACCAAGTCAA	ATCCATGCGG	GCTGCTCTTG	1140
ATCTTTTCGG	TCGTGAGTTC	GGAGACGTAG	CCACCTACTC	CCAACATCAG	CCGGACTCCG	1200
ATTACCTCGG	GAACCTGCTC	CGTAGTAAGA	CATTCATCGC	GCTTGCTGCC	TTCGACCAAG	1260
AAGCGGTTGT	TGGCGCTCTC	GCGGCTTACG	TTCTGCCCAG	GTTTGAGCAG	CCGCGTAGTG	1320
AGATCTATAT	CTATGATCTC	GCAGTCTCCG	GCGAGCACCG	GAGGCAGGGC	ATTGCCACCG	1380
CGCTCATCAA	TCTCCTCAAG	CATGAGGCCA	ACGCGCTTGG	TGCTTATGTG	ATCTACGTGC	1440
AAGCAGATTA	CGGTGACGAT	CCCGCAGTGG	CTCTCTATAC	AAAGTTGGGC	ATACGGGAAG	1500
AAGTGATGCA	CTTTGATATC	GACCCAAGTA	CCGCCACCTA	ACAATTCGTT	CAAGCCGAGA	1560
TCGGCTTCCC	ATTGAGGGCG	CAAGAGGAGA	AATGGATTGA	CCAAGAGATC	GTGGCTGTTA	1620
CGGATGAACA	GTTTCGATTTA	GAGGGCTACA	ACATGCGAGC	AATTGAACTG	CCTCGGAAGG	1680
CAAAATTGTT	GATCGTGACA	GTCATCCGCG	GCCTAGCAGT	CTTTGAAGCC	CTTTCCCGAT	1740
TGAAGCCTGT	TCATTCTGGC	GGGGTGACAG	CTGCGGGCAA	CAGCTGTGCC	GTAGTGGACG	1800
GCGCCGCGGC	GGCTTTGGTG	GCTCGAGAGT	CGTCTGCGAC	ACAGCCGGTC	TTGGCTAGGA	1860
TACTGGCTAC	CTCCGTAGTC	GGGATCGAGC	CCGAGCATAT	GGGGCTCGGC	CCTGCGCCCG	1920
CGATTGCGCT	GCTGCTTGCG	CGTAGTGATC	TTAGTTTGAG	GGATATCGAC	CTCTTTGAGA	1980
TAAACGAGGC	GCAGGCCGCC	CAAGTTCTAG	CGGTACAGCA	TGAATTGGGT	ATTGAGCACT	2040
CAAAACTTAA	TATTTGGGGC	GGGGCCATTG	CACTTGAGCA	CCCGCTTGCC	GCGACCGGAT	2100
TGCGTCTCTG	CATGACCCTC	GCTCACCAAT	TGCAAGCTAA	TAACTTTCGA	TATGGAATTG	2160

Figure 2q

REPLACEMENT SHEET

CCTCGGCATG	CATTGGTGGG	GGACAGGGGA	TGGCGGTTCT	TTTAGAGAAT	CCCCACTTCG	2220
GTTCGTCCTC	TGCACGAAGT	TCGATGATTA	ACAGAGTTGA	CCACTATCCA	CTGAGCTAAC	2280
GGGCATCTCC	TTTGTGTGCTT	TGAGGTGGCG	CACGAAGGAG	GGCTCGAAAA	TCTCTGCTAA	2340
AAACAAGAAG	AAGGAACAGG	GAACATGATT	AGTTTCGCTC	GTATGGCAGA	AAGTTTAGGA	2400
GTCCAGGCTA	AACTTGCCCT	TGCCTTCGCA	CTCGTATTAT	GTGTCGGGCT	GATTGTTACC	2460
GGCACGGGTT	TCTACAGTGT	ACATACCTTG	TCAGGGTTGG	TGGAATTC		2509

REPLACEMENT SHEET

Sequence 18

GAATTCCGCG	GTCGGCGAAA	GTTGATGCGC	TGTATCGTGG	TGAAGATCAA	TCCATGCTGC	60
GTGACGAGGC	CACACTGTGA	GTTGGTCAGG	GGGGGCTTAC	TCGGCGTTTT	CCGACACTGC	120
GTTGGTTGCG	GCAGTGCGCA	CCCCCTGGAT	TGATTGCGGG	GGTGCCCTGT	CGCTGGTGTC	180
GCCTATCGAC	TTAGGGGTAA	AGGTCGCTCG	CGAAGTTCCTG	ATGCGTGCGT	CGCTTGAACC	240
ACAAATGGTC	GATAGCGTAC	TCGCAGGCTC	TATGGCTCAA	GCAAGCTTTG	ATGCTTACCT	300
GCTCCCGCGG	CACATTGGCT	TGTACAGCGG	TGTTCCCAAG	TCGGTTCCGG	CCTTGGGGGT	360
GCAGCGCATT	TGCGGCACAG	GCTTCGAACT	GCTTCGGCAG	GCCGGCGAGC	AGATTTCCCA	420
AGGCGCTGAT	CACGTGCTGT	GTGTCGCGGC	AGAGTCCATG	TCGCGTAACC	CCATCGCGTC	480
GTATACACAC	CGGGGCGGGT	TCCGCCTCGG	TGCGCCCGTT	GAGTTCAAGG	ATTTTTTGTG	540
GGAGGCATTG	TTTGATCCTG	CTCCAGGACT	CGACATGATC	GCTACCGCAG	AAAACCTGGC	600
GCGCATTGAG	GGCGCAAGAG	GAGAAATGGA	TTGACCAAGA	GATCGTGGCT	GTTACGGATG	660
AACAGTTCGA	TTTAGAGGGC	TACAACAGTC	GAGCAATTGA	ACTGCCTCGG	AAGGCAAAAT	720
TGTTGATCGT	GACAGTCATC	CGCGGCCTAG	CAGTCTTTGA	AGCCCTTTCC	CGATTGAAGC	780
CTGTTTCAATC	TGGCGGGGTG	CAGACTGCGG	GCAACAGCTG	TGCCGTAAGT	GACGGCGCCG	840
CGGCGGCTTT	GGTGGCTCGA	GAGTCGTCTG	CGACACAGCC	GGTCTTGGCT	AGGATACTGG	900
CTACCTCCGT	AGTCGGGATC	GAGCCCGAGC	ATATGGGGCT	CGGCCCTGCG	CCC GCGATTC	960
GCCTGCTGCT	TGCGCGTAGT	GATCTTAGTT	TGAGGGATAT	CGACCTCTTT	GAGATAAACG	1020
AGGCGCAGGC	CGCCCAAGTT	CTAGCGGTAC	AGCATGAATT	GGGTATTGAG	CACTCAAAC	1080
TTAATATTTG	GGGCGGGGCC	ATTGCACTTG	GACACCCGCT	TGCCGCGACC	GGATTGCGTC	1140
TCTGCATGAC	CCTCGCTCAC	CAATTGCAAG	CTAATAACTT	TCGATATGGA	ATTGCCTCGG	1200
CATGCATTGG	TGGGGGACAG	GGGATGGCGG	TTCTTTTAGA	GAATCCCCAC	TTCGGTTCTG	1260
CCTCTGCACG	AAGTTTCGATG	ATTAACAGAG	TTGACCACTA	TCCACTGAGC	TAACGGGCAT	1320
CTCCTTTGTT	GCTTTGAGGT	GGCGCACGAA	GGAGGGCTCG	AAAATCTCTG	CTAAAAACAA	1380
GAAGAAGGAA	CAGGGAACAT	GATTAGTTTC	GCTCGTATGG	CAGAAAAGTTT	AGGAGTCCAG	1440
GCTAAACTTG	CCCTTGCTTT	CGCACTCGTA	TTATGTGTCTG	GGCTGATTGT	TACCGGCACG	1500
GGTTTCTACA	GTGTACATAC	CTTGTCAGGG	TTGGTGGGAA	TTC		1543

Figure 2r